

## 43. A polarizing device comprising:

a transparent plate which has a polarizing beam splitting surface on one surface and a reflection surface on the other surface, wherein light is incident on said transparent plate from said one surface side to be split into reflected light and transmitted light by said polarizing beam splitting surface so that the transmitted light is directed to said other surface and the transmitted light is caused to pass through said one surface by reflection by said reflection surface;

~~F~~ a half wavelength plate for causing polarizing directions of the transmitted light and the reflected light which have been split by said polarizing beam splitting surface to be mutually coincident; and

a prism means disposed on said one surface side of said transparent plate, wherein the light is incident on said transparent plate through one of mutually orthogonal surfaces of said prism means and the light from said transparent plate is outgoing through the other one of said mutually orthogonal surfaces.

## 48. An image apparatus comprising:

~~F3~~ a polarization changing unit of claim 44; and

~~Sab g1~~ an image generator for modulating a polarized light from said polarizing device or said polarization changing unit to generate an image light.

## 50. A polarizing device according to Claim 36,

~~F4~~ wherein

~~Sab g1~~ said polarizing beam splitting surface is formed on over all of said one

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surface and

said reflection surface is formed on all of said the other one surface.

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55. An image apparatus comprising:  
a polarization changing unit of claim 51; and  
an image generator for modulating a polarized light from said polarizing  
device or said polarization changing unit to generate an image light.

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76. An image apparatus comprising:  
a polarization changing unit of claim 72; and  
an image generator for modulating a polarized light from said polarizing  
device or said polarization changing unit to generate an image light.

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83. An image apparatus comprising:  
a polarization changing unit of claim 79; and  
an image generator for modulating a polarized light from said polarizing  
device or said polarization changing unit to generate an image light.

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90. An image apparatus comprising:  
a polarization changing unit of claim 86; and  
an image generator for modulating a polarized light from said polarizing  
device or said polarization changing unit to generate an image light.